

Interference EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|----------|------------------|---------|------------------|
| L1 | 0 | passive with sensor with (fiber fibre) with collimating with mirror with smoke.clm. | US-PGPUB | OR | ON | 2007/06/25 15:07 |

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|---------|---|---|------------------|---------|------------------|
| L1 | 0 | passive with sensor with (fiber fibre) with collimating with mirror with smoke.clm. | US-PGPUB | OR | ON | 2007/06/25 15:07 |
| S1 | 7906 | smoke adj detect\$6 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/25 15:06 |
| S2 | 87428 | "356".clas. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/19 23:50 |
| S3 | 1433495 | fiber fibre | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/19 23:50 |
| S4 | 39 | S1 and S2 and S3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 00:45 |
| S5 | 0 | fiber adj optic adj smoke adj detect\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 00:46 |
| S6 | 225 | optical adj smoke adj detect\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 00:46 |
| S7 | 48 | S6 and S2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 00:46 |
| S8 | 42 | S7 not S4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 16:12 |
| S9 | 492 | (detect\$6 measur\$5 inspect\$5) near3 (smoke adj density) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 16:13 |

EAST Search History

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| S10 | 87428 | "356".clas. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 17:07 |
| S12 | 59 | S9 and S10 | USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 17:23 |
| S13 | 492 | (detect\$6 measur\$5 inspect\$5) near3 (smoke adj density) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 22:21 |
| S14 | 87428 | "356".clas. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 22:21 |
| S15 | 60 | S13 and S14 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 22:41 |
| S16 | 225 | optical adj smoke adj detect\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 22:41 |
| S17 | 225 | S16 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 22:41 |
| S18 | 48 | S16 and lens | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 22:41 |
| S19 | 228 | optical adj smoke adj detect\$5 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 22:41 |

EAST Search History

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| S20 | 49 | S19 and lens | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 22:41 |
| S21 | 8 | ("3524707").PN. OR ("4230950"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/20 23:00 |
| S22 | 25 | ("3361030" "3368078" "3431423" "3630617").PN. OR ("4226533"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/20 23:27 |
| S23 | 11 | ("3524707").URPN. | USPAT | OR | ON | 2006/12/20 23:57 |
| S24 | 6753 | smoke adj detector | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/21 00:15 |
| S25 | 298394 | optical adj (fiber fibre) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/21 00:15 |
| S26 | 157 | S24 and S25 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/21 00:15 |
| S27 | 28 | S26 and mirror | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/21 00:21 |
| S28 | 2 | ("4547675").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/12/21 00:28 |

EAST Search History

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| S29 | 63 | mirror and optical and smoke adj detector and (fiber OR fibre) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/21 00:31 |
| S30 | 35 | S29 and housing | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/21 00:32 |
| S31 | 9 | (US-6565352-\$ or US-6351219-\$ or US-6784997-\$ or US-6166648-\$ or US-7106187-\$ or US-4230950-\$ or US-4226533-\$ or US-4547675-\$). did. or (EP-119618-\$).did. | USPAT; EPO | OR | ON | 2006/12/21 00:42 |
| S32 | 5 | S31 and housing | USPAT; EPO | OR | ON | 2006/12/21 00:42 |
| S33 | 7082 | smoke adj detector | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/24 00:40 |
| S34 | 1623852 | fibre fiber | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/24 00:41 |
| S35 | 645 | S33 and S34 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/24 00:41 |
| S36 | 127119 | collimat\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/24 00:41 |

EAST Search History

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| S37 | 26 | S35 and S36 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/24 00:42 |
| S38 | 23 | S35 and S36 | USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/24 00:42 |
| S39 | 7082 | smoke adj detector | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/24 13:14 |
| S40 | 1623852 | fibre fiber | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/24 13:14 |
| S41 | 645 | S39 and S40 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/24 13:14 |
| S42 | 127119 | collimat\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/24 13:14 |
| S43 | 23 | S41 and S42 | USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/24 13:21 |

EAST Search History

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| S44 | 89657 | "356".clas. | USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/24 13:21 |
| S45 | 129372 | "250".clas. | USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/24 13:21 |
| S46 | 200265 | S44 or S45 | USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/24 13:21 |
| S47 | 57 | S46 and S39 and S40 | USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/24 13:28 |
| S48 | 9272 | smoke near3 detect\$3 | USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/24 13:28 |
| S49 | 660 | S48 and S39 and S46 | USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/24 13:29 |
| S50 | 57 | S49 and S40 | USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/24 13:29 |
| S51 | 0 | S50 not S47 | USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/24 13:29 |